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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application No.	10/788657
	Filing Date	February 27, 2004
	First Named Inventor	Lei Shao
	Art Unit	Unknown
	Examiner Name	Unknown
Total Number of Pages in This Submission		Attorney Docket Number 42P16330X

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"><ul style="list-style-type: none">- Copy of All Cited References- Copy of Search Report- Return Receipt Postcard</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Paul A. Mendonsa, Reg. No. 42,879 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	October 12, 2005

CERTIFICATE OF MAILING/TRANSMISSION			
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Typed or printed name	Rachael Brown		
Signature		Date	October 12, 2005



FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

Complete if Known

Application Number	10/788657
Filing Date	February 27, 2004
First Named Inventor	Lei Shao
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	42P16330X

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☒ None ☐ Other (please identify): _____
☐ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20. ☐ Credit any overpayments

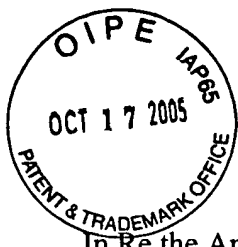
FEE CALCULATION

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify) _____					
SUBTOTAL (2)				(\$)	

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Paul A. Mendonsa	Registration No. (Attorney/Agent)	42,879	Telephone	(503) 439-8778
Signature		Date	10/12/05		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

LEI SHAO, ET AL.

Application No.: 10/788657

Filed: February 27, 2004

For: **AN APPARATUS AND ASSOCIATED
METHODS TO INTRODUCE
DIVERSITY IN A MULTICARRIER
CHANNEL**

Art Group: Unknown

Examiner: Unknown

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted within three (3) months of the date of entry of the national stage in an international application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The references were cited in a Search Report dated August 4, 2005 (copy enclosed herewith) in a counterpart PCT application.

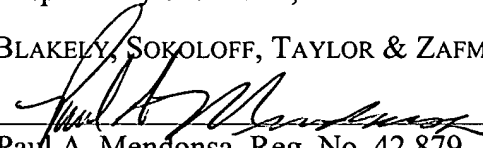
The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

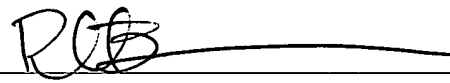
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: October 12, 2005


Paul A. Mendonsa, Reg. No. 42,879

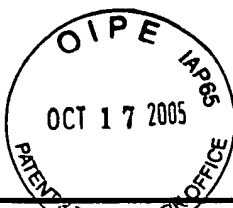
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Rachael Brown

10-12-05

Date



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 2 of 2

Complete if Known

Application Number	10/788657
Filing Date	February 27, 2004
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Attorney Docket Number	42P16330X

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	2	LEI SHAO, ET AL., "Rate-one Space Frequency Block Codes with Maximum Diversity Gain for MIMO-OFDM", IEEE Global Telecommunications Conference Globecom 2003, December 1, 2003, pp 809-813, vol. 2	
	3	KING F. LEE, ET AL., "A Space-Frequency Transmitter Diversity Technique for OFDM Systems", Globecom 2000, IEEE Global Telecommunications Conference, November 27, 2000, pp 1473-1477, Vol. 3, San Francisco, CA USA	
	4	LI LIHUA, "A Practical Space-Frequency Block Coded OFDM Scheme For Fast Fading Broadband Channels", IEEE International symposium on personal indoor and mobile radio communications, PIMRC, September 15, 2002, pp 212-216, vol. 1, Sections II, IV	
	5	MAXIME GUILLAUD, ET AL., "Full-Rate Full-Diversity Space-Frequency Coding for MIMO OFDM Systems" Proceedings of the 3rd Benelux Signal Processing Symposium, March 21, 2002, pp S02-1-S02-4, Section 2, Leuven, Belgium	
	6	HELMUT BOLCSKEI, ET AL., "Space-Frequency Coded Broadband OFDM Systems" 2000 IEEE Wireless Communications and Networking Conference, September 23, 2000, pp 1-6, Vol. 1	

Examiner
SignatureDate
Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Applicant's unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.
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